PRODUCT PROFILE & PROCESSING PERFORMANCE

P220

WHITE FLAKE LEAD STABILIZER

RIGID PVC / PIPE / WALL CLADDING / PANELS

ROSHA POLYMER P220 is a white flake lead-based stabilizer for rigid PVC pipes, wall cladding and panels. Its blend of stabilizers, co-stabilizers and internal / external lubricants supports thermal protection, color retention and surface quality. **P220 promotes excellent fusion and gelation, helping produce thoroughly fused finished products with uniform structure and consistent mechanical integrity.**

EXCELLENT INITIAL & SECONDARY THERMAL STABILITY

Supports early color retention and sustained thermal protection through fusion and continued processing, helping preserve appearance and material integrity.

FUSION & MELT HOMOGENEITY

Supports cohesive melt development and uniform consolidation for consistent mechanical performance.

SURFACE & PROCESS CONSISTENCY

Integrated lubrication supports melt flow, surface finish and stable shaping when matched to the formulation.

Technical profile

CHARACTERISTIC	P220
Physical form / color	Flakes / white
Lead content, expressed as Pb	**16-19 wt%**
Moisture content, maximum	0.2 wt%
Dosage: low-filler products	**2.0-2.5 phr***
Dosage: high-filler products	**4.0-5.0 phr***
Lubrication system	Integrated internal and external lubricants
Packaging	25 kg net bags

* Parts by weight per 100 parts PVC resin. Optimize dosage and any additional lubrication for the resin, filler loading and processing conditions.

Storage & handling

Store sealed in original packaging in a cool, dry, covered area. Protect from moisture and contamination. **Contains lead:** consult the SDS, control dust, prevent exposure and confirm suitability for the destination market and intended end use.

FINISHED-PRODUCT PERFORMANCE

Finished-product performance

Thermal protection and controlled fusion help preserve the PVC matrix, supporting mechanical performance, appearance and consistency in the finished article.

01 TENSILE PERFORMANCE

Supports tensile strength and elongation retention by helping limit processing degradation and promoting uniform fusion. Assess the finished compound and extrusion weld lines.

02 FLEXURAL PERFORMANCE

Supports consistent bending strength and stiffness through sound melt consolidation. Particularly relevant to wall cladding, panels and sections subject to handling or service loads.

03 IMPACT PERFORMANCE

Helps preserve impact performance by limiting thermal damage and supporting adequate gelation. Final toughness depends on the resin, filler, impact modifier and processing conditions.

04 COLOR RETENTION

Excellent initial and secondary thermal stability is intended to limit heat-induced yellowing and progressive discoloration. Outdoor color retention also depends on the pigment and weathering package.

05 SURFACE QUALITY

Supports a smooth, uniform surface and consistent visual appearance through homogeneous melt formation. Gloss, flow marks and die deposits also depend on tooling and lubrication balance.

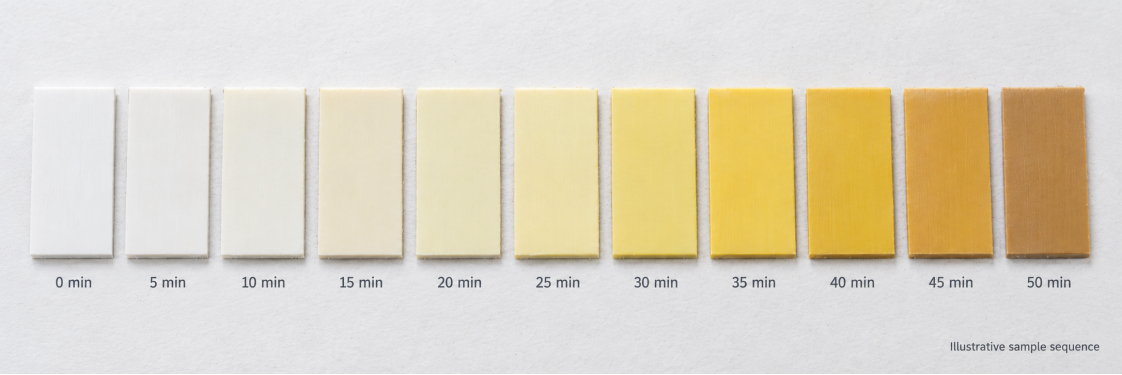
06 DIMENSIONAL CONSISTENCY

Supports stable shaping through consistent melt processing. Wall thickness, straightness, panel flatness and heat reversion also depend on die design, calibration, cooling and line settings.

Application priorities

FINISHED PRODUCT	KEY PERFORMANCE PRIORITIES
Rigid PVC pipe	Tensile integrity, impact resistance, color and wall consistency.
Wall cladding	Bending performance, handling impact, surface finish and color.
Panels	Flexural performance, flatness, surface uniformity and dimensional consistency.

Performance benefits are qualitative and formulation-dependent. Verify mechanical properties and color on finished products; the stabilizer does not replace an impact modifier or a dedicated weathering package.



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